

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments. Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed

with 24 bushel per acre of annual rye (3.2 lbs/1000 eq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1 to 2 tons per acre (70 to 90 1bs/1000 aq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 HARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

PERMANENT SEFDING WITES

- Apply to graded or cleared areas not subject to immediate forther R s K a permanent long - ved vegetative cover is needed
- Seedbed Preparation coosed upper three inches area on taxing is a seedbed Preparation acceptable means before seeding, if not previously loosened
- Soil Amendments In lieu of soil test recommendations use one of the feathers a 1) Preferred - Apply 2 tons per acra delomitie .imestone (92 lbs/100f a ыс and 600 lbs per acre 10-10-10 fertilizer 44 lbs 1900 ag ft) before seeding Harrow or disc into upper three inches of soil. At time of seeding appared per acre 30-9-0 ureaform fertilizer (9 lbs/1000 sq ft)
- 2) Acceptable Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding Harrow or disc into upper three inches of soil

Seeding - For the periods March 1 thru April 30, and August I thru October 15 seed Williams 60 lbs per acre (1 4 lbs/1000 sq ft) of Kentucky 31 Tall Pescue For the period Max thre July 31, seed with 60 lbs Kentucky 31 Tall Feacue per acre and 2 lbs per acre (05 lbs/1900 sq ft) of weeping lovegrass During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring Option (2) Use sod Option (3) Seed with 60 inc acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw

Mulching - Apply 14 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted smal grastraw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal'1000 sq ft) of emulsified sanhalt on flat areas On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq f for anchoring

Matinenance - Inspect all seeded areas and make needed repairs, replacements and

SEDIMENT CONTROL NOTES

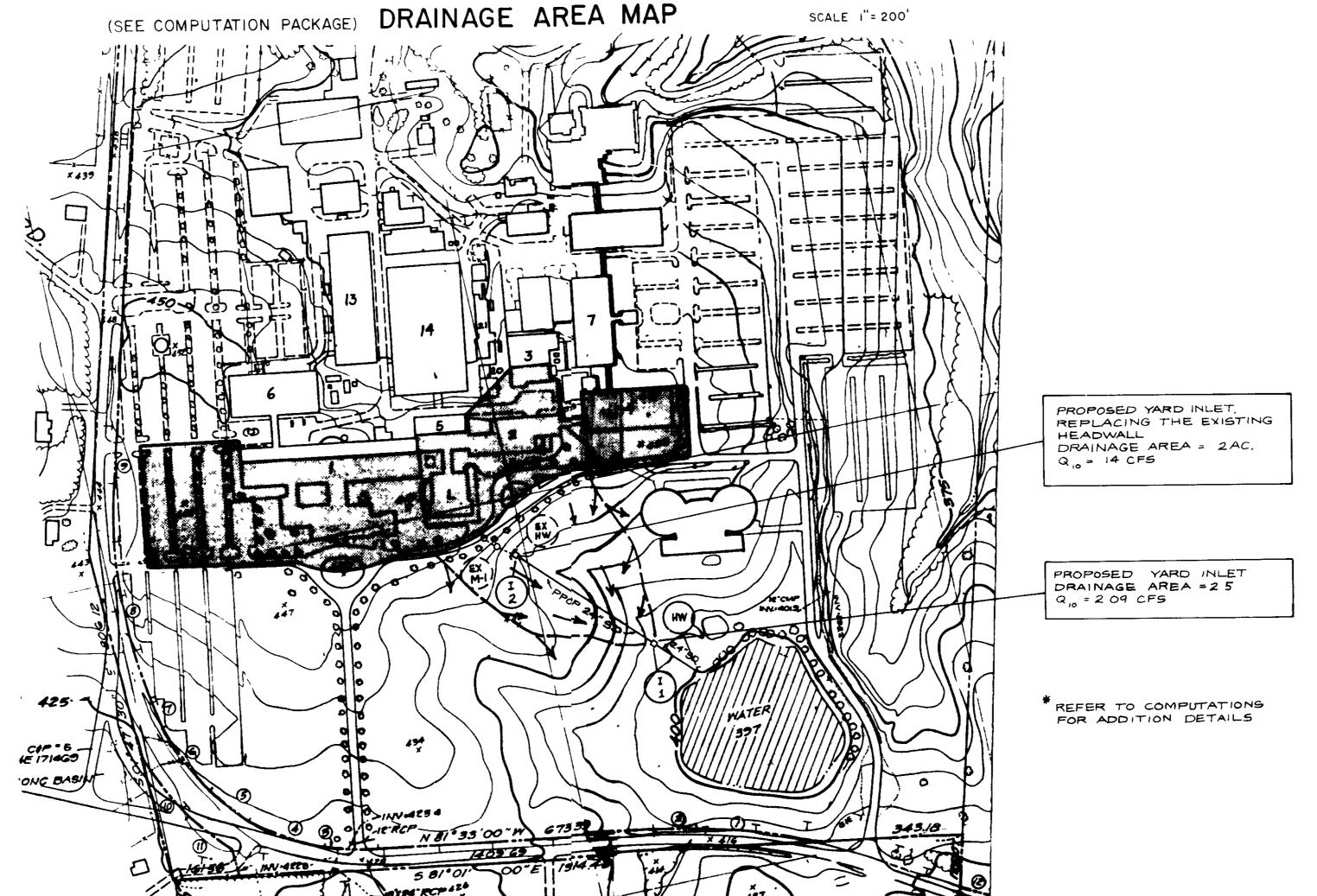
- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits pror to the start of any construction (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3.1, b) 14 days as to all other disturbed or graded areas on the project site
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chaper 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage
- 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings 'Sec. 51) sod (Sec. 54), temporary seeding (Sec 50) and mulching (Sec 52.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector

7) Site Analysis: 366 Acres Total Area of Site Area to be roofed or paved OO Ar Area to be roofed or paved OO Acres Area to be vegetatively stabilized 13 Acres Total Cut 112 Cu. yds 829 Cu. yds Total Fill Offsite waste/borrow area location

- 8) Any mediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.

On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

NOTE: FOR SEQUENCE OF CONSTRUCTIONS, SEE SHEET 2 OF 2



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PLAN VIEW

YARD INLET

EXISTING

EARTH -- MOUNTABLE BERM

STABILIZED CONSTRUCTION ENTRANCE

not to scale

PROFILE

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HOWARD COURTY MARTCAND

GEPARTMENT OF PUBL MORKS

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STANDARO SYMBOL

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12.30.27 12/28/87

APPLIED PHYSICS LABORATORY THE JOHNS HOPKINS UNIVERSITY 11100 JOHNS HOPKINS ROAD LAUREL, MARYLAND 20707

Water and Public " newerage : stells N i HLA.IH /FPARIMENT 12-24-87

REVIEWED FOR HOWARD SOIL CONSERVATION AND MEETS TECHNICAL REQUIREMENTS

12/11/87 US SOIL CONSERVATION SERVICE THIS DEVELOPMENT PLAN IS APPROVED FOR

SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

HOWARD SOIL CONSERVATION DISTRICT DATE

ENGINEERS CERTIFICATE "I CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE

HOWARD SOIL CONSERVATION DISTRICT"

DEC 887

DATE

DEVELOPERS SIGNATURE

DEVELOPERS CERTIFICATE "I/WE CERTIFY THAT ALL DEVELOPMENT & CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT & EROSION BEFORE BEGINING THE PROJECT I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT"

DATE

KIDDE CONSULTANTS, INC. REVISION ENGINEERS . PLANNERS . SURVEYOR 1100 WEST STREET ITE HILL ALL ALL

TAX MAP 41 PARCEL 123

5th ELECTION DISTRICT HOWARD COUNTY, MD

JOHNS HOPKINS APL

DRAINAGE AREA MAP

SEDIMENT, CONSTRUCTION DETAILS AND

STORM DRAIN ADDITION TO SDP-88-06 AND SDP-87-168

SURVEYED BY Drwg No 2 OF

SCALE AS SHOWN OCT, 1987 KCI# 1687098